Appendix C
General Pavement Design Notes

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Note for Bridge Replacements

See Standard Drawing No. RBB-001 for shoulder paving at bridge ends. Apply the 1:25 paved shoulder taper to both shoulders at both ends of the bridge. If the structures are to be paved throughout the project, then contrary to the standard drawing, the shoulders within this taper area may be paved the same as the remaining shoulder.

Note for Full-Depth DGA Shoulders

Asphalt Seal Required from outside edge of paved shoulder to a point two feet (0.6 meters) down the ditch or fill slope. Two applications of the following:

291	Emulsified Asphalt RS-2	2.40 lb/sq yd (1.3 kg/sq m)
100	Asphalt Seal Aggregate	20 lb/sq yd (10.8 kg/sq m) (size no. 8 or 9m)

Application Rates for Asphalt Curing Seal

Lime Modified Roadbed (Special Provision 84C)	2.0 lb/sq yd (1.1 kg/sq m)
Portland Cement Modified Roadbed (Std. Spec 304)	2.0 lb/sq yd (1.1 kg/sq m) Or 0.25 gal/sq yd
DGA Filter Layer for Drainage Blankets	1.6 lb/sq yd (0.9 kg/sq m)
Stabilized Aggregate Base (Special Provision 70D)	1.2 lb/sq yd (0.7 kg/sq m)

Sand for Blotter Application Rates

2 to 3 lb/sq yd (1.1 to 1.6 kg/sq m)
or 5 lb/sq yd (2.7 kg/sq m) MAX.

Curb and Gutter

Carry lower courses of pavement 12 inches past curb and gutter. (Asphalt or DGA)

Drainage Blankets and Pavement Edge Drains

1. Consider using when 20-yr ESALs are between 1,000,000 and 5,000,000.

2. Use when 20-yr ESALs 5,000,000 or greater. (Engineering judgment should be used based on overall length of project)

3. The following note should be listed on pavement designs that contain pavement edge drains:

"All longitudinal pipe drainage systems for the pavement drainage blanket shall be outletted to a Headwall, Median Box Inlet, Ditch Box, or Curb Box Inlet. Outlets shall be in a fill section whenever possible. Outlet spacing shall not exceed 500 feet except grades 1% or less, then the spacing of outlets shall not exceed 250 feet. All sags shall have an outlet. The Design Engineer shall spot these on the plans or in the proposal."

The spacing listed above is for 4-inch perforated pipe edge drains. The spacing can be doubled when 6-inch perforated pipe is used.